# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 06/14/2018 10:09 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 05/12/2018 04:21 PM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 80291 | Expiration Date: | 02/29/2020 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124078 | -1 | 1.57 | 124090 | 1.57 |
| Blue | F | SSC | 125000 | 123602 | -2 | 1.95 | 124146 | 1.86 |
| Blue | E | FITC | 15760 | 15371 | -3 | 2.92 | 330 | 22.18 |
| Blue | D | PE | 25880 | 25258 | -3 | 1.97 | 544 | 17.28 |
| Blue | B | PerCP-Cy5-5 | 34075 | 33997 | -1 | 4.18 | 1049 | 22.72 |
| Blue | A | PE-Cy7 | 22776 | 22804 | 0 | 7.50 | 575 | 45.79 |
| Red | C | APC | 42488 | 41738 | -2 | 2.69 | 1582 | 13.19 |
| Red | A | APC-Cy7 | 24478 | 24029 | -2 | 2.90 | 882 | 12.54 |
| Violet | B | V450 | 6304 | 6085 | -4 | 4.01 | 393 | 15.92 |
| Violet | A | V500 | 26005 | 24981 | -4 | 3.73 | 595 | 12.65 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20060 | 6.79 | 608 | 11 | N/A | N/A | Pass |
| Blue | F | SSC | 56869 | 1.19 | 574 | 19 | N/A | N/A | Pass |
| Blue | E | FITC | 57 | 72.32 | 562 | 6 | 0.0160 | 149 | Pass |
| Blue | D | PE | 112 | 59.30 | 556 | 7 | 0.1181 | 276 | Pass |
| Blue | B | PerCP-Cy5-5 | 204 | 55.21 | 657 | 10 | 0.0073 | 96 | Pass |
| Blue | A | PE-Cy7 | 112 | 113.05 | 712 | 15 | 0.0085 | 27 | Pass |
| Red | C | APC | 380 | 27.68 | 601 | 1 | 0.0204 | 152 | Pass |
| Red | A | APC-Cy7 | 219 | 26.88 | 572 | 1 | 0.0047 | 801 | Pass |
| Violet | B | V450 | 71 | 60.47 | 492 | 3 | 0.0246 | 1800 | Pass |
| Violet | A | V500 | 90 | 43.24 | 508 | 2 | 0.0142 | 1080 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

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| Input Device: | Carousel | Date: | 06/14/2018 10:09 AM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -31.43 | -30.86 | 0.94 |
| Blue | 20.36 | 16.27 - 24.41 | 1.27 | 0.99 - 1.49 | 0.00 | 0.00 | 1.41 |
| Red | 16.71 | 13.60 - 20.40 | N/A | N/A | 30.55 | 31.21 | 1.20 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

## Threshold

Threshold (FSC): 14088

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments